AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-17 (Canceled).

Claim 18. (New) A powder composition comprising an iron or iron based powder, wherein less than about 5% of the powder particles have a size below 45 μm, and a lubricating amount of an alkylakoxy or polyetheralkoxy silane, wherein the alkyl group of the alkylalkoxy silane and the polyether chain of the polyetheralkoxy silane include between 8 and 30 carbon atoms, and the alkoxi group includes 1-3 carbon atoms.

Claim 19. (New) The powder composition of claim 18, wherein the alkyl group and polyether chain of the alkylalkoxy or polyetheralkoxy silane has between 10 and 24 carbon atoms.

Claim 20. (New) The powder composition of claim 18, wherein the silane is selected from the group consisting of octyl-tri-metoxy silane, hexadecyl-tri-metoxy silane, and polyethyleneether-trimetoxy silane with 10 ethylene ether groups.

Claim 21. (New) The powder composition of claim 18, wherein the alkoxy silane is present in an amount of about 0.05-0.5%.

Claim 22. (New) The powder composition of claim 21, wherein the alkoxy silane is present in an amount of about 0.1-0.4%.

Claim 23. (New) The powder composition of claim 21, wherein the alkoxy silane is present in an amount of about 0.15-0.3%.

Claim 24. (New) The powder composition of claim 18, wherein at least 40% of the iron or iron-based powder consists of particles having a particle size above about 106 μm.

Claim 25. (New) The powder composition of claim 24, wherein at least 60% of the iron or iron-based powder consists of particles having a particle size above about 106 μm.

Claim 26. (New) The powder composition of claim 18, wherein at least 40% of the iron-based powder consists of particles having a particle size above about 212 μm.

Claim 27. (New) The powder composition of claim 26, wherein at least 60% of the iron-based powder consists of particles having a particle size above about 212 μm.

Claim 28. (New) The powder composition of claim 18 further comprising up to 1% by weight of graphite.

Claim 29. (New) The powder composition of claim 18 further including alloying elements in an amount up to 10% by weight.

Claim 30. (New) The composition of claim 29, wherein the alloying elements are selected from the group consisting of Mn, Cu, Ni, Cr, Mo, V, Co, W, Nb, Ti, Al, P, S and B.

Claim 31. (New) A method for preparing high density green compacts comprising the following steps:

(a) providing an iron-based powder composition of claim 18;

(b) uniaxially compacting the powder in a die at a compaction pressure of at least about 800 MPa; and

(c) ejecting the green body.

Claim 32. (New) The method of claim 31, further comprising the step of mixing said composition with graphite and other additives.

Claim 33. (New) Powder composition comprising an iron or iron based powder and a lubricating amount of an alkylakoxy or polyetheralkoxy silane, wherein the alkyl group of the alkylalkoxy silane and the polyether chain of the polyetheralkoxy silane include between 8 and 30 carbon atoms and the alkoxi group includes 1-3 carbon atoms.

Claim 34. (New) The powder composition of claim 33, wherein the alkyl group or polyether chain of the alkylalkoxy or polyetheralkoxy silane has between 10 and 24 carbon atoms.

Claim 35. (New) The powder composition of claim 33, wherein the silane is selected from the group consisting of octyl-tri-metoxy silane, hexadecyl-tri-metoxy silane, and polyethyleneether-trimetoxy silane with 10 ethylene ether groups.

Claim 36. (New) The powder composition of claim 33, wherein the alkoxy silane is present in an amount of about 0.05-0.5%.

Claim 37. (New) The powder composition of claim 36, wherein the alkoxy silane is present in an amount of about 0.1-0.4%.

Claim 38. (New) The powder composition of claim 36, wherein the alkoxy silane is present in an amount of about 0.15-0.3%.

Claim 39. (New) The powder composition of claim 33 further comprising up to 1% by weight of graphite.

Claim 40. (New) The powder composition of claim 33 further comprising up to 10% by weight of alloying elements.

Claim 41. (New) The powder composition of claim 16, wherein the alloying elements are selected from the group consisting of Mn, Cu, Ni, Cr, Mo, V, Co, W, Nb, Ti, Al, P, S and B.